JOURNAL

of the

New England Water Works Association

VOLUME LXVIII
1954

PUBLISHED BY
THE NEW ENGLAND WATER WORKS ASSOCIATION
73 Tremont Street, Boston 8, Mass.

The four numbers composing this volume
have been separately copyrighted in
1954 and 1955
by the New England Water Works Association

AUTHOR INDEX

Britton, Brigham. Manufacture of Plastic Pipe. 211, Sept.

Burgi, Herman, Jr. Portland's New Sebago Lake Intake and Supply Conduit. 191, Sept.

Camp, Thomas R. Improvements to Pumping and Filtration Facilities at Cambridge Filter Plant. 135, June.

Castraberti, A. O., J. M. Dickerman and J. E. Fuller. Action of Ozone on Water-Borne Bacteria. 11, Mar.

Dickerman, J. M., A. O. Castraberti and J. E. Fuller. Action of Ozone on Water-Borne Bacteria. 11, Mar.

Duffy, William B. Portrait. *Frontispiece*, Mar. Presidential Address. 312, Dec.

French, Clarence B. Progress of the Waltham Water Works. 113, June.

Fuller, J. E., J. M. Dickerman, A. O. Castraberti and. Action of Ozone on Water-Borne Bacteria. 11, Mar.

Gilcreas, F. W., and Sally M. Kelly. Significance of the Coliform Test in Relation to Intestinal Virus Pollution of Water. 255, Sept.

Griffin, A. E. Chlorination—A Ten-Year Review. 97, June.

Hatch, Francis L. Improvements to the Kittery Water District. 289, Sept.

Karalekas, Peter C. New Additions to West Parish Filters. 164, June.

Kelly, Sally M., F. W. Gilcreas and. Significance of the Coliform Test in Relation to Intestinal Virus Pollution of Water. 255, Sept.

Kennison, Karl R. New York's Quest for Interstate Water. 221, Sept.

Knowlton, Kenneth F. Investigation of the Continuous Recording of Fluoride Concentration in Water. 16, Mar.

Leveque, R. J. Believe-It-or-Not Experiences with Chemical Feeders. 278, Sept.

Lynch, John P. Quality Control of the Water in the Springfield System. 174, June.

Macdonald, Raeburn W. Mineral Characteristics of Maine Public Water Supplies. 204, Sept.

Minkus, Alexander J. Deterioration of the Hydraulic Capacity of Pipelines. 1, Mar.

Washing Slow-Sand Filters with a Lateral Flow. 121, June.

Newell, I. Laird. The New Britain Water Filtration Plant. 149, June.

Pirnie, Malcolm. Domestic and Industrial Water Supplies Face the Pollution Problem. 250, Sept.

Silliman, Frederick B. The Development of a Large Well Supply. 158, June.

Symonds, Allen M. Experience with Plastic Service Pipe. 217, Sept.

Turcotte, David H. Odors and Taste in Public Water Supplies. 181, June.

SUBJECT INDEX

Action of Ozone on Water-Borne Bacteria. By J. M. Dickerman, A. O. Castraberti and J. E. Fuller. 11, Mar.
Believe-It-or-Not Experiences with Chemical Feeders. By R. J. Leveque. 278, Sept.
Book Review—Fresh Water from the Ocean. 302, Sept.
Cambridge Filter Plant, Improvements to Pumping and Filtration Facilities at. By Thomas R. Camp. 135, June.
Chemical Feeders, Believe-It-or-Not Experiences with. By R. J. Leveque. 278, Sept.
Chlorination—A Ten-Year Review. By A. E. Griffin. 97, June.
Coliform Test in Relation to Intestinal Virus Pollution of Water, Significance of the. By F. W. Gilcreas and Sally M. Kelly. 255, Sept.
Continuous Recording of Fluoride Concentration in Water, Investigation of the. By Kenneth F. Knowlton. 16, Mar.
Deterioration of the Hydraulic Capacity of Pipelines. By Alexander J. Minkus. 1, Mar.
Domestic and Industrial Water Supplies Face the Pollution Problem. By Malcolm Pirnie. 250, Sept.
Experience with Plastic Service Pipe. By Allen M. Symonds. 217, Sept.
Filters, New Additions to West Parish. By Peter C. Karalekas. 164, June.
Filters with a Lateral Flow, Washing Slow-Sand. By Alexander J. Minkus. 121, June.
Filtration Facilities at Cambridge Filter Plant, Improvements to Pumping and. By Thomas R. Camp. 135, June.
Filtration Plant, The New Britain Water. By I. Laird Newell. 149, June.
Fluoride Concentration in Water, Investigation of the Continuous Recording of. By Kenneth F. Knowlton. 16, Mar.
Hydraulic Capacity of Pipelines, Deterioration of the. By Alexander J. Minkus. 1, Mar.
Improvements to Pumping and Filtration Facilities at Cambridge Filter Plant. By Thomas R. Camp. 135, June.
Improvements to the Kittery Water District. By Francis L. Hatch. 289, Sept.
Intake and Supply Conduit, Portland's New Sebago Lake. By Herman Burgi, Jr. 191, Sept.
Interstate Water, New York's Quest for. By Karl R. Kennison. 221, Sept.
Intestinal Virus Pollution of Water, Significance of the Coliform Test in Relation to. By F. W. Gilcreas and Sally M. Kelly. 255, Sept.
Investigation of the Continuous Recording of Fluoride Concentration in Water. By Kenneth F. Knowlton. 16, Mar.
Kittery Water District, Improvements to the. By Francis L. Hatch. 289, Sept.
Maine Public Water Supplies, Mineral Characteristics of. By Raeburn W. Macdonald. 204, Sept.
Manufacture of Plastic Pipe. By Brigham Britton. 211, Sept.
Memoir of Harold K. Barrows. 300, Sept.
Memoir of Lazarus White. 186, June.

Memoir of Stuart E. Coburn. 185, June.
Mineral Characteristics of Maine Public Water Supplies. By Raeburn W. Macdonald. 204, Sept.
New Additions to West Parish Filters. By Peter C. Karalekas. 164, June.
New Britain Water Filtration Plant, The. By I. Laird Newell. 149, June.
New England Water Works Association.
Administrative Reports:
Committee on Committees. 333, Dec.
Committee on Reciprocal Relations with the Institution of Water Engineers (London). 340, Dec.
Committee on Technical Program. 331, Dec.
Editor. 325, Dec.
Finance Committee. 328, Dec.
Membership Committee. 332, Dec.
Secretary. 317, Dec.
Treasurer. 321, Dec.
Commemorative Award. 310, Dec.
Committees of the Association. 359, Dec.
Dexter Brackett Memorial Award. 308, Dec.
Election of Officers. 315, Dec.
Memoir of Harold K. Barrows. 300, Sept.
Memoir of Lazarus White. 186, June.
Memoir of Stuart E. Coburn. 185, June.
Presidential Address. 312, Dec.
Proceedings:
November 1953 Meeting. 93, Mar.
December 1953 Meeting. 94, Mar.
January 1954 Meeting. 187, June.
February 1954 Meeting. 188, June.
March 1954 Meeting. 189, June.
April 1954 Meeting. 304, Sept.
May 1954 Meeting. 304, Sept.
Seventy-Third Annual Convention. 305, Dec.
Reports of Technical Committees:
Coefficients for Friction in Pipe Lines. 342, Dec.
Conservation, Development and Utilization of Water Resources. 352, Dec.
Deep-Well Vertical Pumps. 350, Dec.
Laying Cast-Iron Water Mains. 347, Dec.
Legislation. 336, Dec.
Methods of Financing Water-Main Extensions. 358, Dec.
Rainfall and Yield of Drainage Areas, September, 1953—Rainfall in New England: Part I. Rainfall in Massachusetts. 39, Mar.
Recreational Use of Public Water Supplies. 355, Dec.
Reinforced Concrete Pressure Pipe. 346, Dec.
Specifications for Cast-Iron Pipe and Fittings. 345, Dec.
Specifications for Steel Pipe. 348, Dec.
Standardization of Pipe Flanges and Fittings. 349, Dec.
Water Rate Schedules. 351, Dec.

New York's Quest for Interstate Water. By Karl R. Kennison. 221, Sept.
Odors and Taste in Public Water Supplies. By David H. Turcotte. 181, June.
Ozone on Water-Borne Bacteria, Action of. By J. M. Dickerman, A. O. Castraberti and J. E. Fuller. 11, Mar.
Pipe, Manufacture of Plastic. By Brigham Britton. 211, Sept.
Pipelines, Deterioration of the Hydraulic Capacity of. By Alexander J. Minkus. 1, Mar.
Plastic Pipe, Manufacture of. By Brigham Britton. 211, Sept.
Plastic Service Pipe, Experience with. By Allen M. Symonds. 217, Sept.
Pollution of Water, Significance of the Coliform Test in Relation to Intestinal Virus. By F. W. Gilcreas and Sally M. Kelly. 255, Sept.
Pollution Problem, Domestic and Industrial Water Supplies Face the. By Malcolm Pirnie. 250, Sept.
Portland's New Sebago Lake Intake and Supply Conduit. By Herman Burgi, Jr. 191, Sept.
Progress of the Waltham Water Works. By Clarence B. French. 113, June.
Pumping and Filtration Facilities at Cambridge Filter Plant, Improvements to. By Thomas R. Camp. 135, June.
Quality Control of the Water in the Springfield System. By John P. Lynch. 174, June.
Sebago Lake Intake and Supply Conduit, Portland's New. By Herman Burgi, Jr. 191, Sept.
Service Pipe, Experience with Plastic. By Allen M. Symonds. 217, Sept.
Significance of the Coliform Test in Relation to Intestinal Virus Pollution of Water. By F. W. Gilcreas and Sally M. Kelly. 255, Sept.
Slow-Sand Filters with a Lateral Flow, Washing. By Alexander J. Minkus. 121, June.
Springfield System, Quality Control of the Water in the. By John P. Lynch. 174, June.
Supply Conduit, Portland's New Sebago Lake Intake and. By Herman Burgi, Jr. 191, Sept.
Taste in Public Water Supplies, Odors and. By David H. Turcotte. 181, June.
The Development of a Large Well Supply. By Frederick B. Silliman. 158, June.
The New Britain Water Filtration Plant. By I. Laird Newell. 149, June.
Waltham Water Works, Progress of the. By Clarence B. French. 113, June.
Washing Slow-Sand Filters with a Lateral Flow. By Alexander J. Minkus. 121, June.
Water Filtration Plant, The New Britain. By I. Laird Newell. 149, June.
Water in the Springfield System, Quality Control of the. By John P. Lynch. 174, June.
Water, New York's Quest for Interstate. By Karl R. Kennison. 221, Sept.
Water Supplies Face the Pollution Problem, Domestic and Industrial. By Malcolm Pirnie. 250, Sept.
Water Supplies, Mineral Characteristics of Maine Public. By Raeburn W. Macdonald. 204, Sept.
Water Supplies, Odors and Taste in Public. By David H. Turcotte. 181, June.
Water Works, Progress of the Waltham. By Clarence B. French. 113, June.
Well Supply, The Development of a Large. By Frederick B. Silliman. 158, June.
West Parish Filters, New Additions to. By Peter C. Karalekas. 164, June.